

<!--StartFragment-->RESULT 2

US-08-446-530-7

; Sequence 7, Application US/08446530

; Patent No. 5766851

; GENERAL INFORMATION:

; APPLICANT: Shuldiner, Alan R.

; APPLICANT: Walston, Jeremy

; APPLICANT: Silver, Kristi

; TITLE OF INVENTION: SUSCEPTIBILITY GENE FOR OBESITY AND TYPE

; TITLE OF INVENTION: II DIABETES MELLITUS

; NUMBER OF SEQUENCES: 28

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Fish & Richardson P.C.

; STREET: 4225 Executive Square

; CITY: La Jolla

; STATE: CA

; COUNTRY: USA

; ZIP: 92037

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/446,530

; FILING DATE: 19-MAY-1995

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: Haile, Lisa A.

; REGISTRATION NUMBER: 38,347

; REFERENCE/DOCKET NUMBER: 07265/048001

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 619/678-5070

; TELEFAX: 619/678-5070

; INFORMATION FOR SEQ ID NO: 7:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 17 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: DNA (genomic)

US-08-446-530-7

10/53509

SEQ ID NO.12

Query Match 100.0%; Score 15; DB 2; Length 17;

Best Local Similarity 100.0%; Pred. No. 54;

Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATCGCCTGGACTCC 15

|||||

Db 1 CATCGCCTGGACTCC 15

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<!--StartFragment-->Sequence 7, Application US/09097562

; Patent No. 5877283

; GENERAL INFORMATION:

; APPLICANT: Shuldiner, Alan R.

; APPLICANT: Walston, Jeremy

; APPLICANT: Silver, Kristi

; TITLE OF INVENTION: SUSCEPTIBILITY GENE FOR OBESITY AND TYPE

; TITLE OF INVENTION: II DIABETES MELLITUS

; NUMBER OF SEQUENCES: 28

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Fish & Richardson P.C.

; STREET: 4225 Executive Square

; CITY: La Jolla

; STATE: CA

; COUNTRY: USA

; ZIP: 92037

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/097,562

; FILING DATE:

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/446,530

; FILING DATE: 19-MAY-1995

; ATTORNEY/AGENT INFORMATION:

; NAME: Haile, Lisa A.

; REGISTRATION NUMBER: 38,347

; REFERENCE/DOCKET NUMBER: 07265/048001

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 619/678-5070

; TELEFAX: 619/678-5070

; INFORMATION FOR SEQ ID NO: 7:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 17 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: DNA (genomic)

US-09-097-562-7

Query Match 100.0%; Score 16; DB 2; Length 17;

Best Local Similarity 100.0%; Pred. No. 30;

Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATCGCCTGGACTCCG 16

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Db 1 CATCGCCTGGACTCCG 16

<!--EndFragment-->

<!--StartFragment-->RESULT 2

AAT58989

ID AAT58989 standard; DNA; 17 BP.

XX

AC AAT58989;

XX

DT 04-AUG-1997 (first entry)

XX

DE Obesity and type II diabetes mellitus diagnosis nucleic acid probe.

XX

KW Hybridisation; polymerase chain reaction; beta3-adrenergic receptor;  
KW beta3AR; ss.

XX

OS Synthetic.

XX

PN WO9636641-A1.

XX

PD 21-NOV-1996.

XX

PF 17-MAY-1996; 96WO-US007218.

XX

PR 19-MAY-1995; 95US-00446530.

XX

PA (UYJO ) UNIV JOHNS HOPKINS SCHOOL MED.

XX

PI Shuldiner AR, Walston J, Silver K, Roth J;

XX

DR WPI; 1997-012034/01.

XX

PT New isolated beta3-adrenergic receptor mutation - used to develop prods.  
PT for the diagnosis and treatment of type II diabetes and/or obesity.

XX

PS Claim 17; Page 42; 51pp; English.

XX

CC The present sequence is a nucleic acid probe used in a method for  
CC diagnosis of a subject having or at risk of having type II diabetes  
CC mellitus and/or obesity. The method involves contacting a target nucleic  
CC acid of a sample from the subject with a nucleic acid probe (preferably  
CC the present sequence or that in AAT58990) that detects a mutation in the  
CC beta3-adrenergic receptor (beta3AR) gene. The present sequence can also  
CC be used in the treatment of subjects having or at risk of having type II  
CC diabetes and/or obesity

XX

SQ Sequence 17 BP; 3 A; 7 C; 4 G; 3 T; 0 U; 0 Other;

Query Match 100.0%; Score 16; DB 2; Length 17;

Best Local Similarity 100.0%; Pred. No. 1.3e+02;

Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 CATCGCCTGGACTCCG 16

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10/353509

SEQ ID NO. 11

<!--StartFragment-->I76279

101553509

SEQ ID NO.1

LOCUS I76279 1134 bp DNA linear PAT 03-APR-1998  
DEFINITION Sequence 14 from patent US 5691155.  
ACCESSION I76279  
VERSION I76279.1 GI:3012433  
KEYWORDS .  
SOURCE Unknown.  
ORGANISM Unknown.  
Unclassified.  
REFERENCE 1 (bases 1 to 1134)  
AUTHORS Nahmias,C., Emorine,L.Jean. and Strosberg,A.Donny.  
TITLE Nucleotide sequences encoding the murine .beta.3-adrenergic  
receptor and their applications  
JOURNAL Patent: US 5691155-A 14 25-NOV-1997;  
FEATURES Location/Qualifiers  
source 1. .1134  
/organism="unknown"  
/mol\_type="unassigned DNA"

ORIGIN

Query Match 100.0%; Score 61; DB 2; Length 1134;  
Best Local Similarity 100.0%; Pred. No. 1.1e-11;  
Matches 61; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGCCATCGCCTGGACTCCGAGACTCCAGACCATGACCAACGTGTTTCGTGACTTCGCTGGC 60  
|  
Db 180 GGCCATCGCCTGGACTCCGAGACTCCAGACCATGACCAACGTGTTTCGTGACTTCGCTGGC 239  
Qy 61 C 61  
|  
Db 240 C 240

RESULT 2

<!--EndFragment-->

<!--StartFragment-->RESULT 2

10/53509

SEQ ID NO: 1

I60415

LOCUS I60415 1227 bp DNA linear PAT 07-OCT-1997

DEFINITION Sequence 7 from patent US 5656440.

ACCESSION I60415

VERSION I60415.1 GI:2478860

KEYWORDS .

SOURCE Unknown.

ORGANISM Unknown.

Unclassified.

REFERENCE 1 (bases 1 to 1227)

AUTHORS Lenzen,G. and Kapoor,A.

TITLE Nucleotide sequences coding for the bovine .beta. .sub.3 -adrenergic receptor (AR.beta. .sub.3) and their applications

JOURNAL Patent: US 5656440-A 7 12-AUG-1997;

FEATURES Location/Qualifiers

source 1. .1227

/organism="unknown"

/mol\_type="unassigned DNA"

ORIGIN

Query Match 100.0%; Score 61; DB 2; Length 1227;

Best Local Similarity 100.0%; Pred. No. 1.2e-11;

Matches 61; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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|||||

Db 180 GGCCATCGCCTGGACTCCGAGACTCCAGACCATGACCAACGTGTTCGTGACTTCGCTGGC 239

Qy 61 C 61

|

Db 240 C 240

<!--EndFragment-->

<!--StartFragment-->RESULT 4

10/ 553509.

SEQ ID NO. 1

US-08-351-473B-7

; Sequence 7, Application US/08351473B

; Patent No. 5656440

; GENERAL INFORMATION:

; APPLICANT: LENZEN, GERLINDA

; APPLICANT: KAPOOR, ARCHANA

; TITLE OF INVENTION: NUCLEOTIDE SEQUENCES CODING FOR THE

; TITLE OF INVENTION: BOVINE BETA3-ADRENERGIC RECEPTOR AND THEIR APPLICATIONS

; NUMBER OF SEQUENCES: 9

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MAIER & NEUSTADT

; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400

; CITY: ARLINGTON

; STATE: VIRGINIA

; COUNTRY: USA

; ZIP: 22202

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/351,473B

; FILING DATE: 21-FEB-1995

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 93 04670

; FILING DATE: 21-APR-1993

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: PCT/FR94/00447

; FILING DATE: 21-APR-1994

; ATTORNEY/AGENT INFORMATION:

; NAME: OBLON, NORMAN F.

; REGISTRATION NUMBER: 24,618

; REFERENCE/DOCKET NUMBER: 6639-001-0X PCT

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (703) 413-3000

; TELEFAX: (703) 413-2220

; TELEX: 248855 OPAT UR

; INFORMATION FOR SEQ ID NO: 7:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1227 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: DNA (genomic)

US-08-351-473B-7

Query Match 100.0%; Score 61; DB 2; Length 1227;

Best Local Similarity 100.0%; Pred. No. 8.1e-13;

Matches 61; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGCCATCGCCTGGACTCCGAGACTCCAGACCATGACCAACGTGTTTCGTGACTTCGCTGGC 60  
|||||

Db 180 GGCCATCGCCTGGACTCCGAGACTCCAGACCATGACCAACGTGTTTCGTGACTTCGCTGGC 239

Qy 61 C 61

|

Db 240 C 240

<!--EndFragment-->